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CSIRO

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Automatically Recording Diffusion Hygrometer, by A. P. Nikol'skiy, B. V. Deryagin, P. S. Prokhorov, G. A. Batova, 8 pp.

SUBJECT, per, Zavod Lab, Vol XXIII, No 4, 1957, pp 497-500.

CIA/FDD X-2791

Sci - Phys;
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1957, pp 537-539.

4219
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SLA R-3716

Elec - Chem
Oct 58

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Some Improvements in the Method of Direct
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Primary Sources
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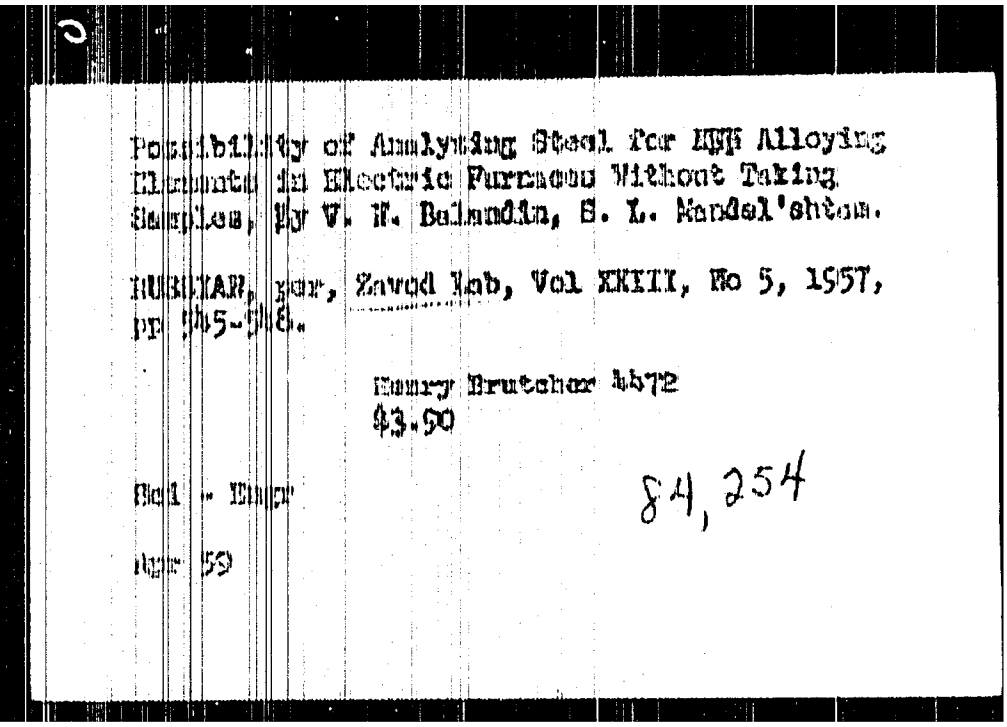

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HUDIMAR, Ser, Zavod Lab, Vol XXIII, No 5, 1957, pp 545-548.

Henry Brutcher 4572
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Bell - Binder

Apr 59

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10 818 GE-1

Utilization of the vaporization method in purity tests of copper and nickel

Anwendung der Verdampfungsmethode zu Reinheitsuntersuchungen von Kupfer und Nickel

Zavodskaya Laboratoriya, 23, No. 5, 558-564 (1957)

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TR3-2861

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Spectrographic Analysis Of Dinas and Quartzite, by P. F. Likhov and others.

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A Logarithmic Electronic Converter for a Recording Microphotometer, by V.K. Latyshev.

RUSSIAN, per, Zavod Lab, No 5, 1957, pp 630-633.

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Sci - Electron
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Faynberg, S. Yu., Blyakhman, A. A., and Stankova, S. M.
ANALYSIS OF SLAGS FROM COPPER AND LEAD SMELTING PROCESSES (Analiz Shlakov Mednoy i Svintsovoy Plavok). Mar 61 [13]p. 8 refs. RTS 1756. Order from OTS or SLA $1.60 61-19668

Trans. of Zavodskaya Laboratoriya (USSR) 1957, v. 23, no. 5, p. 647-652.

DESCRIPTORS: *Slags, *Copper, *Lead, Ores, Colorimetric analysis, Analysis

(Chemistry--Analytical, TT, v. 6, no. 1)

61-19668

I. Faynberg, S. Yu.
II. Blyakhman, A. A.
III. Stankova, S. M.
IV. RTS-1756
V. Department of Scientific and Industrial Research (Gt. Brit.)

16150

Office of Technical Services

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HB 5084

Bel - Chem

Lyr 61

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Determination of Susceptibility to Intergranular Corrosion of Welds in Structures, by M. D. Tomashov, O. G. Deryagina.

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Brutcher 4461

Sci - Min/Met

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X-Ray Study of the Sulfurizing of Steel, by Yu. M. Vinogradov, V. D. Zelenova.

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Sci. - Min/Met

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Use of Electron Diffraction for the Study of Oxide Films on the Surface of Cemented Carbides, by K. P. Fishchenko, V. A. Landa.

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Automatic Apparatus for a Hydraulic Machine to Test Endurance Under Repeated Static Loads, by M. A. El'yanberg, A. I. Politov, 5 pp. UNCLASSIFIED

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Henry Dreicher 4618
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Bol ... Engr, Chem

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Improved Method of Flaw Detection by Colorimetry,
by M. I. Bilashenkov, N. P. Nikin.

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Henry Hartshorn bb15
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Metallographic Study of the Carbides in High-Speed Steels, by K. S. Chayanayeva.

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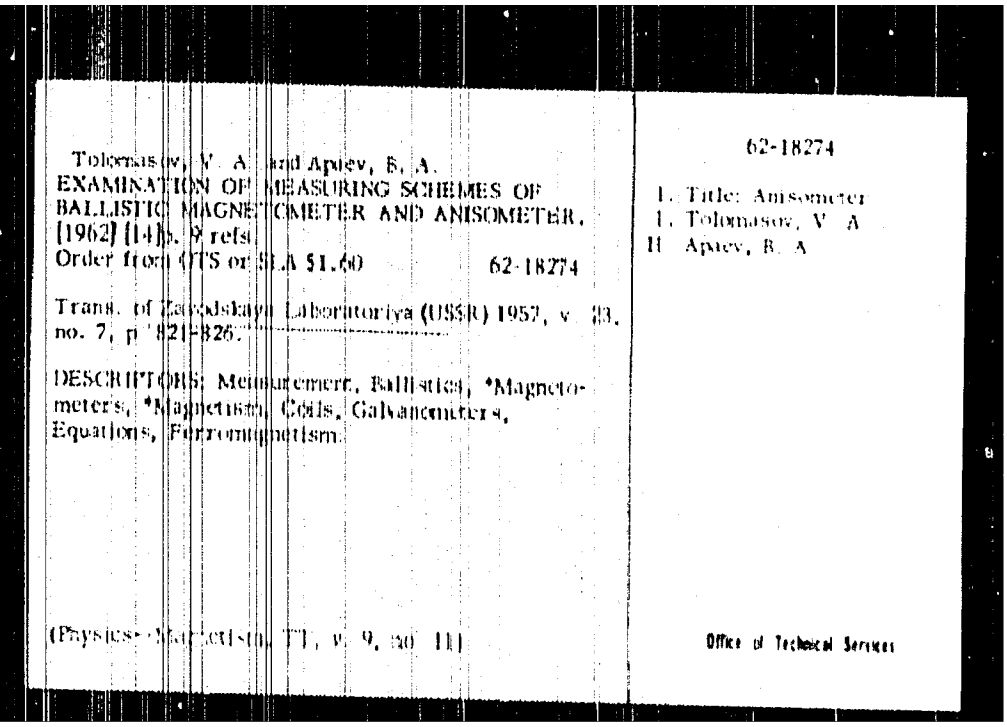

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EXAMINATION OF MEASURING SCHEMES OF BALLISTIC MAGNETOMETER AND ANISOMETER. [1962] [14]p. 9 refs.
Order from OTS or SLA $1.60 62-18274

Trans. of Zavodskaya Laboratoriya (USSR) 1957, v. 23, no. 7, p. 821-826.

DESCRIPTORS: Measurement, Ballistics, *Magnetometers, *Magnetism, Coils, Galvanometers, Equations, Ferromagnetism.

(Physics-Magnetism, TT, v. 9, no. 11)

62-18274

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HD 5112

Sci - Engr

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Use of Electrolytically Generated Permanganate Ion for Coulometric Titration, by O. A. Songina, N. G. Kemelova, M. T. Kozlovski, 7 pp.

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SLA 59-10262

Sci - Chem
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Vol 2, No 1

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No:1 - Phys, Engr

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Determination Under Vacuum of the Thermal Conductivity of Refractory Bodies, by D. M. Shakhtin, I. J. Vishnevskii, 5 pp.

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The Determination of the Specific Conductance of Refractory Materials in Vacuum up to 2200 Deg C., by F. I. Chuprinin, S. I. Kovalenko, A. N. Lulicher.
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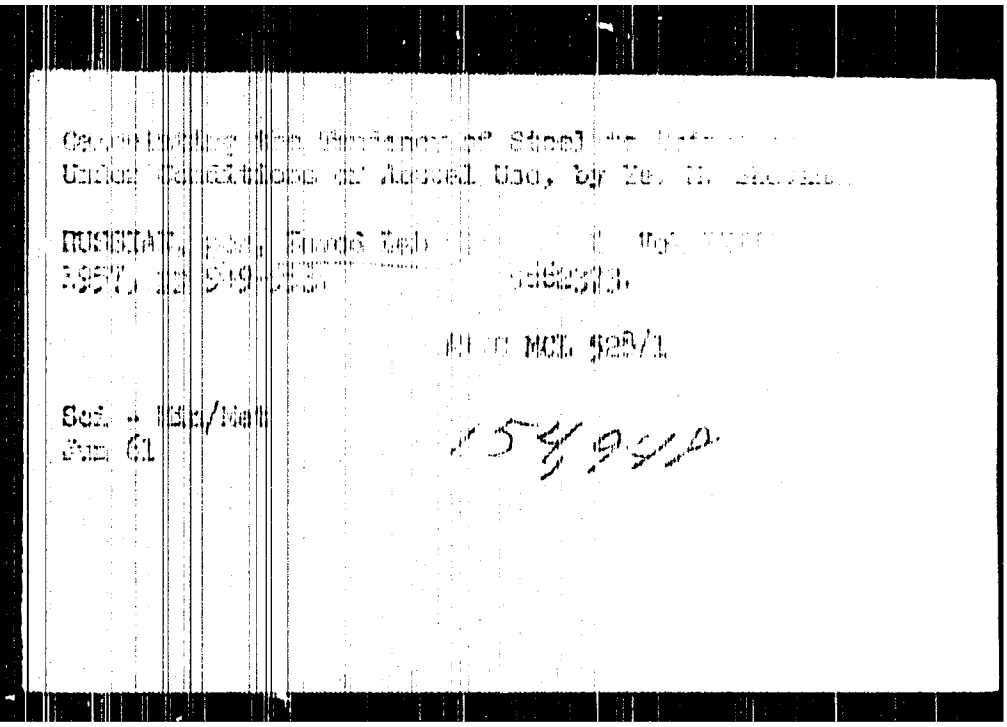

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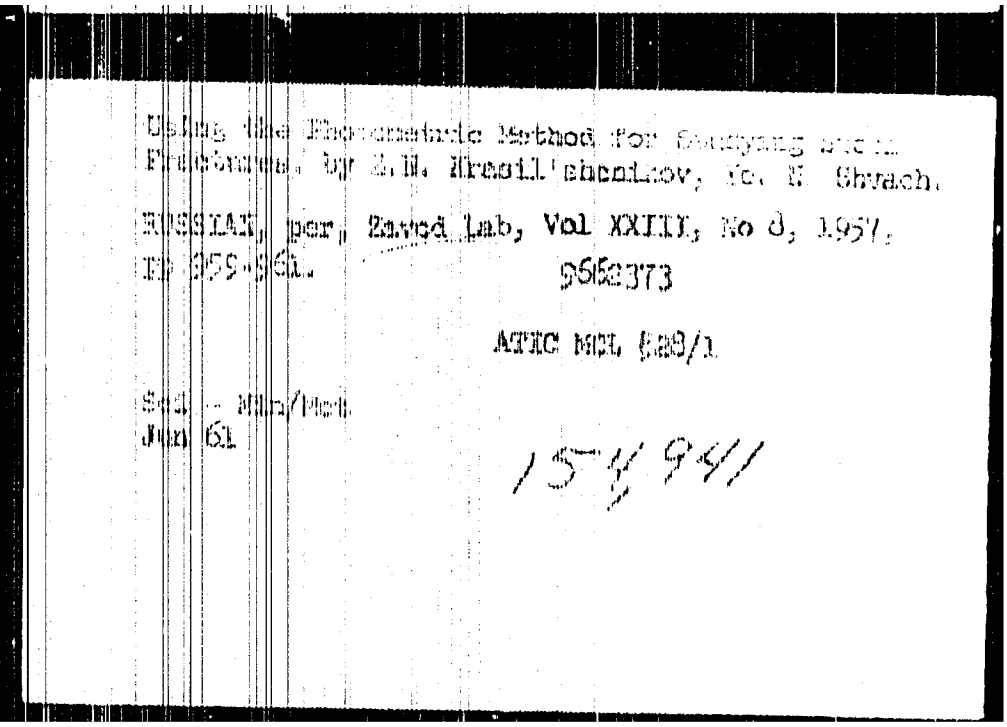

Using the Photometric Method for Surveying Area Pollutions, by Z.M. Ivanitskaya, Ye. N. Shvach.

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Sci - Mfg/Mech
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Apparatus for Accurate Measurement of the Electrical Resistance of Metals and Alloys at High Temperatures in Vacuum, by S. D. Gertsriken, A. V. Prygrishchenko.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 9, 1957, pp 974, 975.

EB 4345

Sci - Min/Met

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12 854 Fr-1

TROSTYANSKAYA E. B., TEVLINA A. S.

Sorbents selective to ion exchange in chromatographic analysis

Sorbants sélectifs à l'échange ionique dans l'analyse chromatographique

Zavodskaya Lab., 23. No. 9. 1042-1049 (1957)

R. 1104 - French

Euratom

AEC-tr-5360(L)

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Separation of Molybdenum From Iron, Aluminum, and Gallium by Means of Ion-Exchange Anionites, by Yu. V. Morachevskiy, N. N. Goryayeva.

RUSSIAN, [illegible]

Sci - Chem

Mar 63

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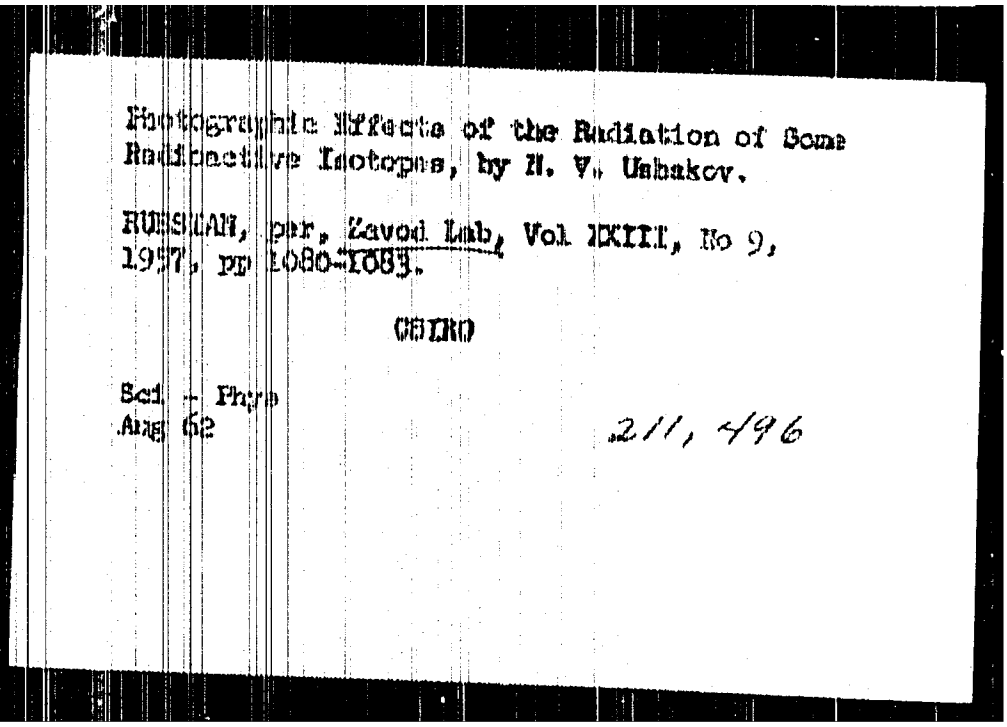

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High-Carbon, High-Chromium Tool Steels Checked For Uniformity of Carbide Distribution by a New Rating Chart, by A. G. Ivanov, et al. UMCL

[illegible], per., Zavod. Lab., No 9, 1957, pp 1088-1091.

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Del. - Min/Mart
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A Method for Measuring the Coefficient of Thermal Conductivity of Refractory Materials at High Temperatures, by V. V. Pantomalov, UNCLASSIFIED

RUSSIAN, per Zavod Lab, Vol XXIII, No 9, 1957, pp 1093-1094

Navy Tr 1677/HRL-661

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Universal Chromathermographic Apparatus for Analyzing Complex Gas Mixtures, by M. M. Turkel'taub, A. A. Zhukhovitskiy, 10 pp.

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Laboratory Vacuum Furnace for Temperatures of 2000-2500° C, by A. G. Tyutyunik.

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Brutcher Tr 4292
$2.75

Sci - Engr

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CIA/FBIS XX-582
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Econ - Economic Growth Since October Revolution
Feb 59

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Analysis of Pure Metals, by V. A. Kazarenko,
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Ref - Min/Met

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12 688 Fr-I

KUZNETSOV, V. I., SERYAKOVA, I. V.

Extractive separation of elements by means of easily fused organic substances

Séparation des éléments par extraction à l'aide de substances organiques facilement fusibles

Zavodskaya Lab., 23, No. 10, 1176-1186 (1957)

R, 1002 - French

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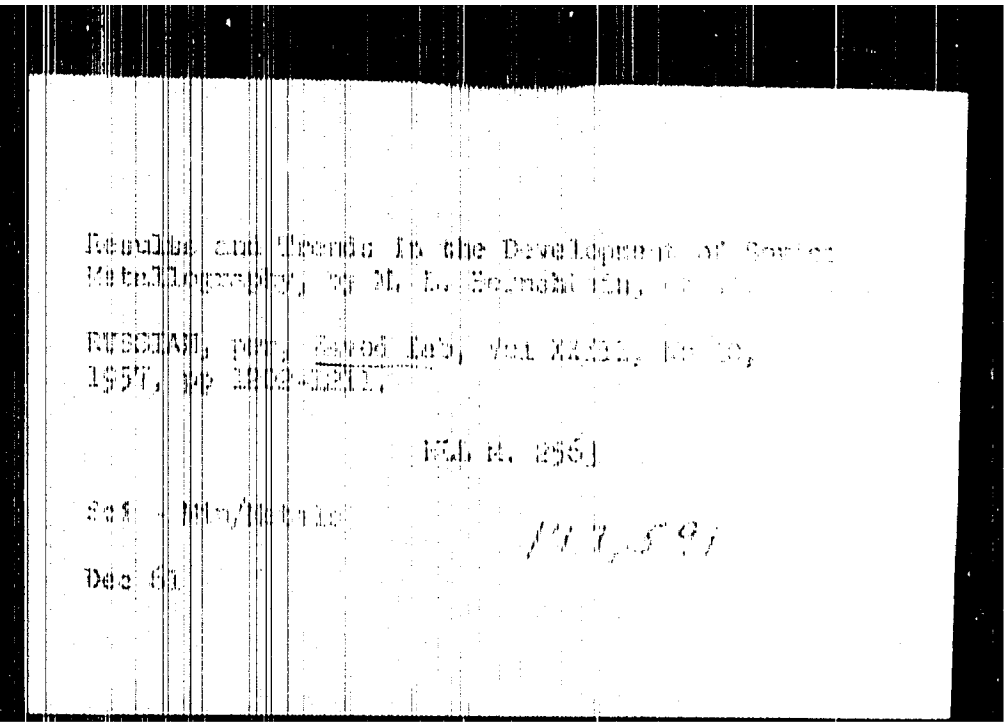

Results and Trends in the Development of Soviet
Metallography, by M. L. Bernshtein, [illegible]

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[GD R. 256]

Sub - Mfg/Metals

Dec 58

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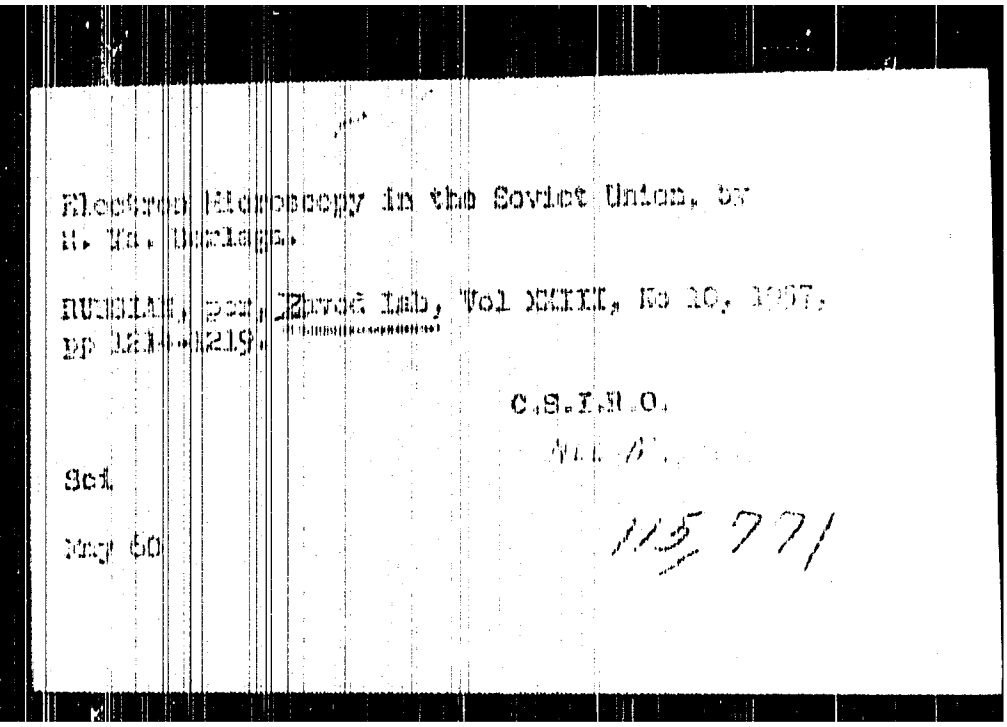

Electron Microscopy in the Soviet Union, by
M. Ya. Utekhin.

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C.S.I.N.O.

Sel.

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Magnetic Structural Analysis, by S.V. Vonsovskiy.

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Development of Defectoscopy (Non-Destructive Testing) of Metals, by S. T. Matarov, 9 pp.

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X-Ray-Spectral Method of Investigating Local Chemical Composition, by I.B. Borovskiy.

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Primary Sources
SMT-110

Bell - Engr
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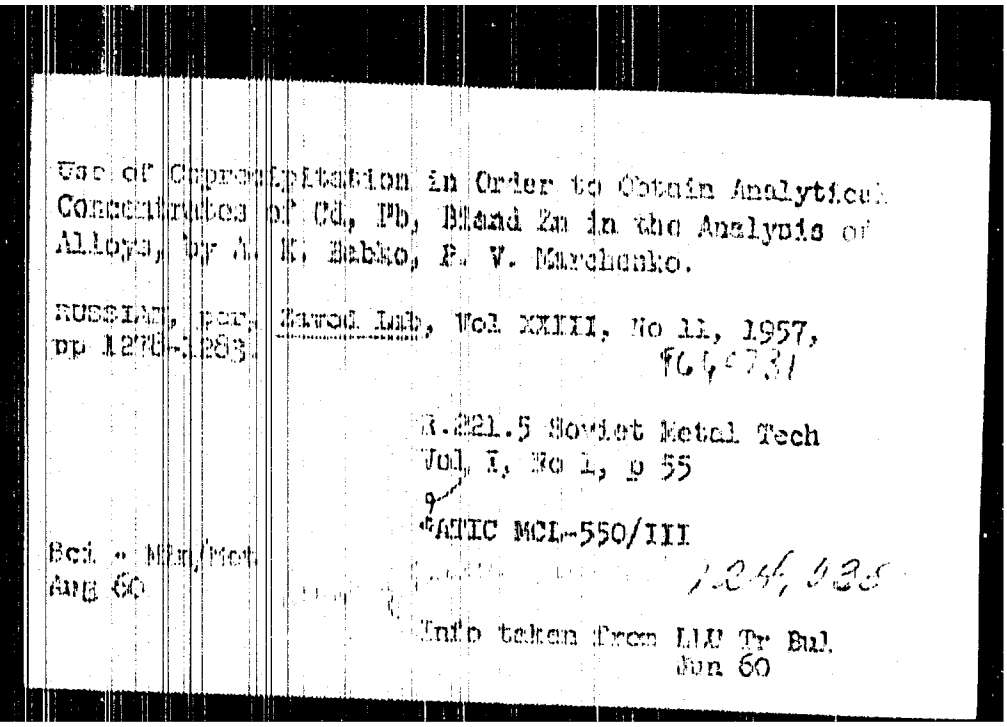

Use of Coprecipitation in Order to Obtain Analytical Concentrates of Cd, Pb, Bi and Zn in the Analysis of Alloys, by A. K. Babko, P. V. Marchenko.

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164731

T.221.5 Soviet Metal Tech
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Info taken from LIU Tr Bul
Jun 60

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12 138 AT-1

NAZARENKO V. A., SHUSTOVA M. B.

Pure metal analysis. Determining tantalum admixtures in zirconium and niobium

Analyse reiner Metalle. Die Bestimmung von Tantal-Beimengungen in Zirkon und Niob.

Zavodskaya Lab., 23, No. 11, 1283-1286 (1957)

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Determination of Carbides in Stainless Steel by the Electrolytic Method, by M. M. Shapiro.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 11, 1957, pp 1292-1294.

Brutcher Tr 4290
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Sep 58

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Special Analysis of Beryllium. by P.M. Polyakov.

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Sci - Min/Met
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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Determining the Critical Interval of Brittleness of Smooth Test Pieces Under Tensile Stress, by I.Ye. Kontorovich, B. M. Voshedchenko, 8 pp.

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ATIC MCL-511/III

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Apparatus for Determination of the Reducibility of Blast Furnace Sinters, by N. L. Gol'dshtein, N. S. Kharchenko.

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Brutcher Tr 4264
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Sci - Chemistry

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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The Question of the Organization of Laboratories for Work With Radioactive Substances, by N. B. Leshchinskiy.

RUSSIAN, per, Zavod Lab, No 11, 1957, pp 1396-1398.

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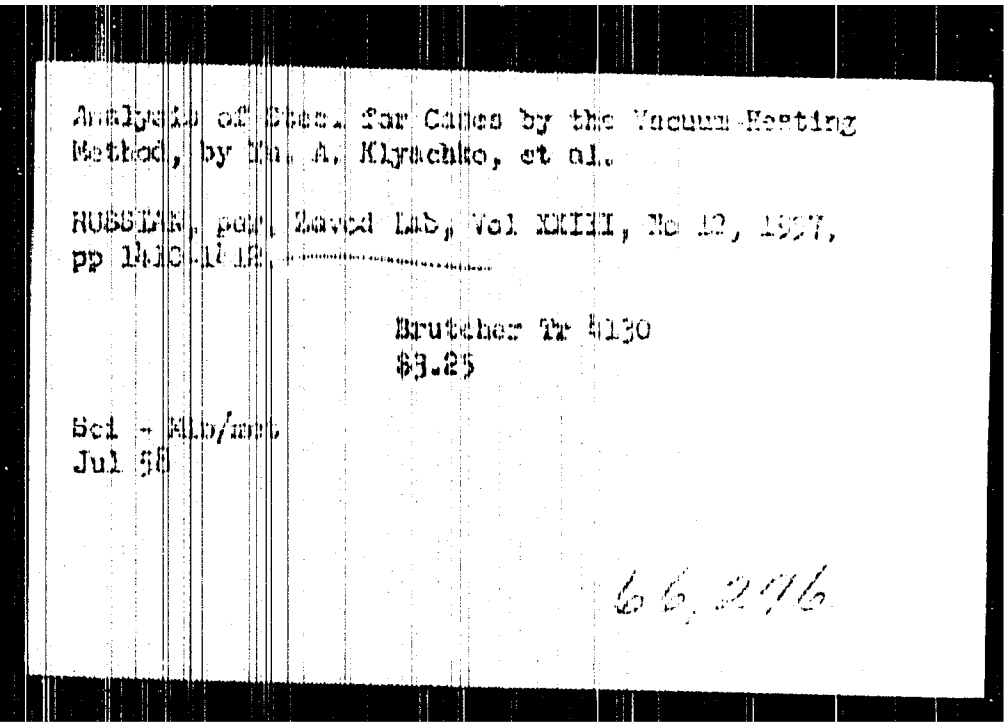

Analysis of Ores, Ear Cones by the Vacuum-Melting
Method, by Kh. A. Klyachko, et al.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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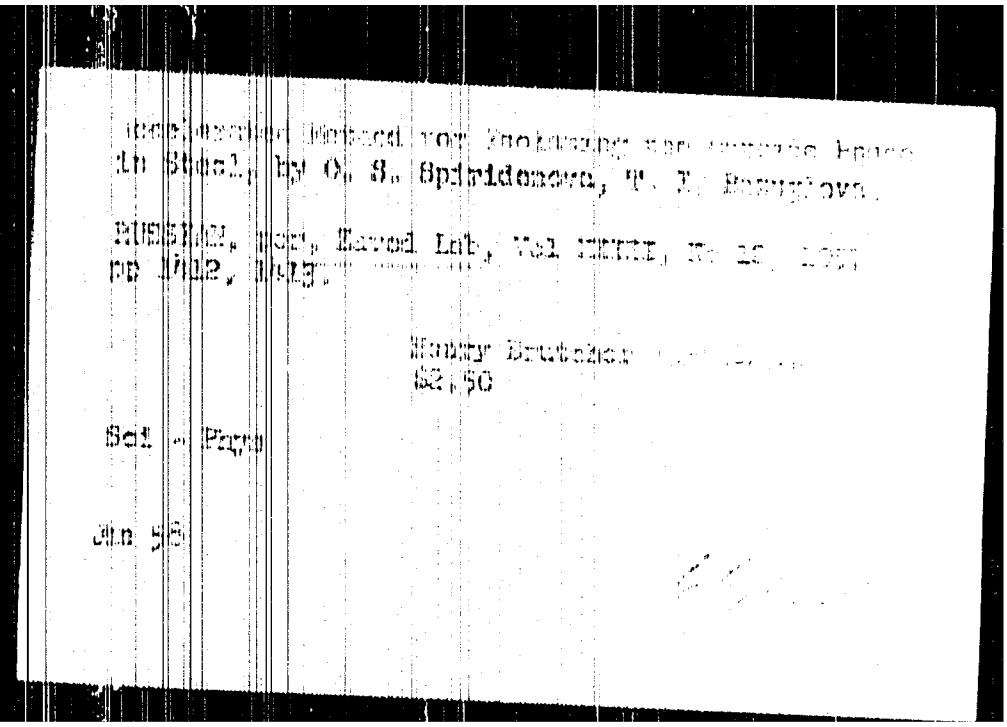

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The Colorimetric Determination of the Concentration of Nitric Oxide in Chain Oven Gas, by M. T. Borok, 6 pp.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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Investigation of the Influence of Stress and Deformation on the Self-Diffusion of Iron, by T. N. Gnilkova, V. S. Gorbatov, S. Z. Bokshtein, A. A. Zhukhovitskiy, S. T. Kishkin, 4 pp.

RUSSIAN, Zav Lab, Vol XXIII, 1957, pp 1436 1439.

AEC 3335

Sci - Phys

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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Method of Electron Emission Investigation of Steel, by K. V. Warli, et al.

RUSSIAN, per, Zavod Lab, No 12, 1957, pp 1443-1446.

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Vol I, No 1, 1958,
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Sci - Min/Met

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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A Mass-Spectrometric Method of Determining the Kinetics of Emission of Gases From Metals, by V. I. Fistul, 12 pp.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 12, 1957, pp 1448-1451. 9066091

AEC Tr-5280

Sci - Min/Met, Chem
Oct 62

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

A Method for Electrochemical Investigation of Atmospheric Corrosion at 100 % or Lower Relative Humidity of the Air, by Yu. N. Mikhailovskiy, N. D. Tomashov.

RUSSIAN, Zhur. Zavod Lab, Vol XXIII, No 12, 1957. pp 1482-1486.

AMB RJ-2064

Sci - Chem
Dec 58

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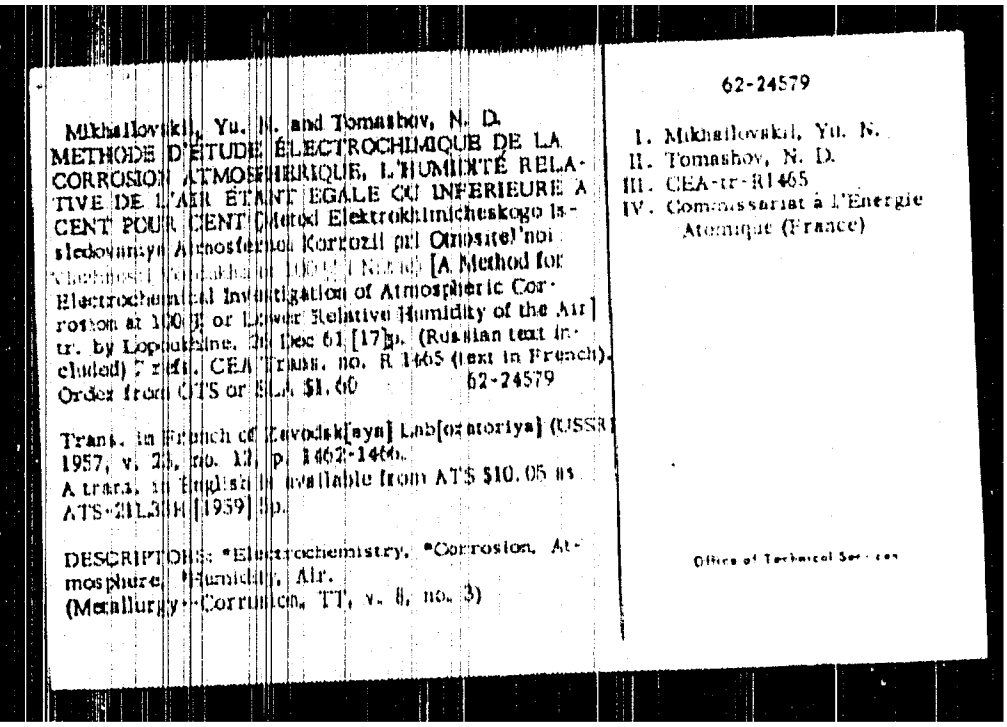

Mikhailovskii, Yu. N. and Tomashov, N. D.
METHODE D'ÉTUDE ÉLECTROCHIMIQUE DE LA CORROSION ATMOSPHERIQUE, L'HUMIDITÉ RELATIVE DE L'AIR ÉTANT EGALE OU INFERIEURE A CENT POUR CENT [Metod Elektrokhimicheskogo Issledovaniya Atmosfernoi Korrozii pri Otnositel'noi [illegible] [A Method for Electrochemical Investigation of Atmospheric Corrosion at 100% or Lower Relative Humidity of the Air] tr. by Lopoukhine, 20 Dec 61 [17]p. (Russian text included) 7 refs. CEA Trans. no. R 1465 (text in French). Order from OTS or SLA $1.60 62-24579

Trans. in French of Zavodsk[aya] Lab[oratoriya] (USSR) 1957, v. 23, no. 12, p. 1462-1466.
A trans. in English is available from ATS $10.05 as ATS-21L3 H [1959] 9p.

DESCRIPTORS: *Electrochemistry, *Corrosion, Atmosphere, *Humidity, Air.
(Metallurgy--Corrosion, TT, v. 8, no. 3)

62-24579

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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SIR No 5:

Ion-Exchange Resins and
"Selective Ionites and Selective Ionite- Ion-
-Exchange Resin Diaphragms" by V. A. Klyachko,
Zavodskaya Laboratoriya, Vol 23, No 9, Sep 57,
pp 1049-1051.

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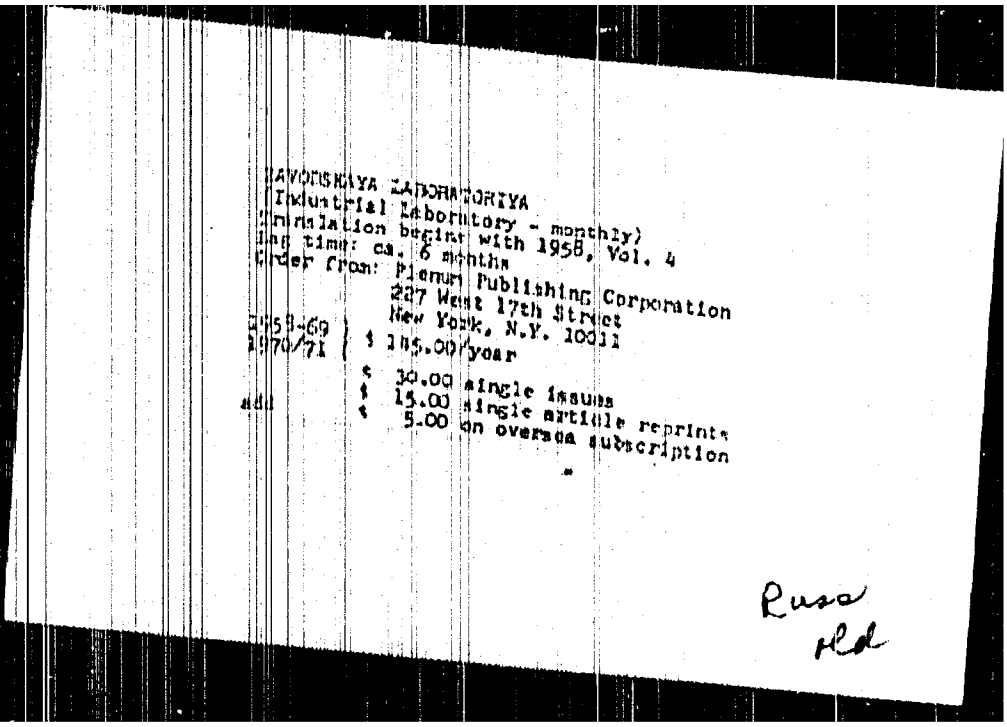

ZAVODSKAYA LABORATORIYA
Industrial Laboratory - monthly)
Translation begins with 1958, Vol. 4
Lag time: ca. 6 months
Order from: Plenum Publishing Corporation
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1958-69
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$ 30.00 single issues
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	pp 190-192	CIA/FDD XX-739	NOFORN
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Vol 24, No 5,	pp 549-554	CIA/FDD XX-661	NOFORN
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Vol 25,	No 1,	pp 38-41	CIA/FDD XX-782	NOFORN
Vol 25,	No 2,	pp 219-	CIA/FDD XX-722	NOFORN
	No 5,	pp 608-610	CIA/FDD XX-818	NOFORN
		pp 619-	CIA/FDD XX-819	NOFORN
	No 6,	pp 741	CIA/FDD XX-820	"
		pp 743-744	CIA/FDD XX-771	"
		pp 745-746	CIA/FDD XX-772	"
		pp 748-749	CIA/FDD XX-821	"

Vol 25 No 9 pp 1023-1027 JPRS-3356

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No 5, pp 523-529 JPRS 4566
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No 10, pp 1186-1188 CIA/FDD/OO-U-3,056-631
No 11, pp 1317-1318 JPRS 7937

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Nikitin, V. N. and Volchek, B. Z.
THE STUDY OF POLYMERS BY MEANS OF INFRARED SPECTROSCOPY. [1962] 10p.
Order from ATS $3.45 ATS-73P60R

Trans. *Zavodskaya Lab[oratoriya] (USSR) 1962, v. 28, no. 1, p. 49-55.

DESCRIPTORS: *Polymers, *Infrared spectroscopy.

(Physics--Spectroscopy, TT, v. 8, no. 5)

62-17741

I. Nikitin, V. N.
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III. ATS-73P60R
IV. Associated Technical Services, Inc., East Orange N. J.

Office of Technical Services

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INCREASING THE TESTING CAPACITY OF MACHINES FOR STRESS-RUPTURE TESTING, BY A. G. RYSS.

RUSSIAN, PER, ZAVOD LAB, VOL XXVIII, NO 1, 1962, P 112.

NLL M. 3769

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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ESTABLISHING THE POSITION OF FLAWS IN ULTRASONIC INSPECTION, BY YA. I. IOFFE.

RUSSIAN, PER, ZAVOD LAB, VOL XXIII, NO 2, 1962, PP 242-245.

HB 5557

SCI - PHYS
AUG 62

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Instruments for the Rapid Determination of Activity and Degree of Reduction of Nickel Powder, by A. I. Ignatov, V. G. Kryukov, Yu. K. Dikyk.

RUSSIAN, Zav. Lab, Vol XXVII, No 2, 1962, pp 247-249.

MM MB 5281

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(DC-1801)

THE USE OF PUNCHED CARDS IN INDUSTRIAL AND RESEARCH LABORATORIES (SURGGVEY), BY G. G. VOROB'YEV, 13 PP.

RUSSIAN, PER, ZAVODSKAYA LABORATORIYA, VOL XXVIII, NO 3, 1962, PP 316-323.

JPRS 14,468

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JUL 62

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[redacted]

METHODS OF EXPOSING DISLOCATIONS IN CRYSTALS, BY
I. A. ODING, E. S. KOSYAKINA, 18 PP.

RUSSIAN, PER, ZAVODSKAYA LABORATORIYA, NO 4,
1962, PP 450-455.

JPRS 17638

SCI - CHEM

FEB 63

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ON A METHOD OF EXPOSING DISLOCATIONS IN SILICON MONOCRYSTALS, BY M. G. MIL'VIDSKIY, L. V. LAYNER, 7 PP.

RUSSIAN, PER, ZAVODSKAYA LABORATORIYA, NO 4, 1962, PP 459-462.

JPRS 17635

SCI - CHEM
FEB 63

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62-18966

Kurilyna, A. D. and Melnikov, P. G.
DETERMINATION OF THE HARDNESS OF POLYMERIC MATERIALS AT ELEVATED TEMPERATURES.
15 Aug 62 [6]p. illus.
Order from CTS or SLA $1.10 62-18966

Trans. of [Zavodskaya] Lab[oratoriya] (USSR) 1962, v. 28 [no. 7], 791-793.

DESCRIPTORS: *Plastics, Hardness, Temperature, Measurement

The hardness and relative elasticity of plastics were measured at temperatures of 20° to 150° C. on a Rockwell Superficial apparatus. Treatment of the data obtained permitted detection of the critical points corresponding to transition of the polymers to different physical states. It was shown that the reversible reduction of the depth of penetration, for the majority of (Materials-Plastics, TT, v. 9, no. 7) (over)

I. Kurilyna, A. D.
II. Melnikov, P. G.

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A Method of Accurate Determination of Lattice Constants From Asymmetric X-Ray Diffraction Diagrams, by V. V. Zhukov.

[illegible], per, Zavod. Lab., Vol XXVIII, No 5, 1962, pp 590-592.

[illegible] 3942

Bul - Phys
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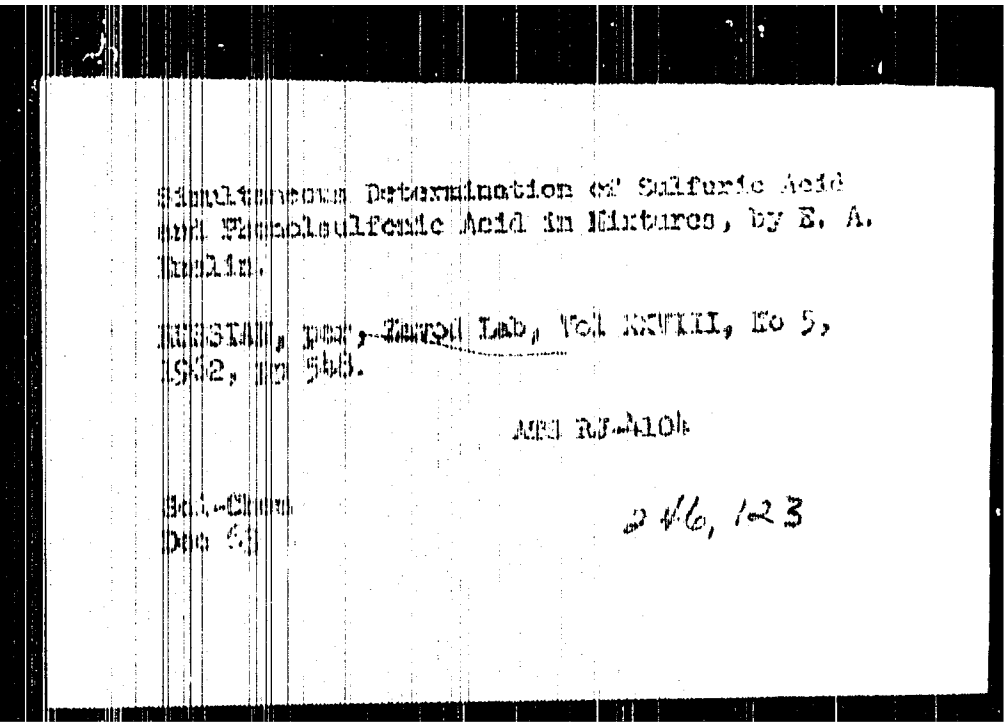

Simultaneous Determination of Sulfuric Acid and Fluorosulfonic Acid in Mixtures, by E. A. Hollis.

[illegible], Anal Lab, Vol XXVIII, No 5, 1956, pp 548.

AFI RF-A10k

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[redacted]

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Methods of Mathematics and Cybernetics Just To Be Utilized in Laboratory Research, by V. V. Malinov, 4 pp.

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CIA/FTD A-5072

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Developments in Analytical Chemistry in 1961.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 7, 1962, pp 773-800.

Possibly to Come From Contacts per 10 Dec 1962 memo
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Sci - Chem

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Polarographic Determination of Pb and Cu in Te and Te Concentrates, by R. G. Pats, T. V. Semochkina.

RUSSIAN, Per, Zavod Lab, Vol XXVII, No 7, 1962, pp 800, 801.

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Sci - Chem, Phys
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A Machine for Testing Materials for Dilation (Dilatension) and Compression at Temperatures From 1.4°K to 1,500°K, by N. I. Gerber, I. A. Gindin, et al., 5 pp.

BUKHAN, prom. Zavod Lab, Vol XXVIII, 1962, pp 865-868.

AEC-tr-482

Bel. - Engl.

Aug 63

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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The Spectrographic Analysis of Iron Ores, by
E. I. Andreev, et al.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 8,
1962, pp 938-940.

HB 5740

Sci-Min/Met
Jan 63

220,012

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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[redacted]

Chemical-Spectrographic Method for the Determination of Niobium in Ores and Similar Materials, by L. E. Berenshtein.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 8, 1962, pp 990-991.

BB 5736

Sci-Min/Met
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

Determination of Iron in Blast-Furnace Sinter by
Absorption of Radioactive Radiation, by
P. D. Marsh, V. I. Ivanov.

RZhKhIM, per, Zavod Lab, Vol XXVIII, No 8,
August 1962, pp 965, 966.

MB 5737

Sec.-Min/Met
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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Metallographic Development of the 475°C (890°F) Embrittlement in Austenitic-Ferritic Chrome-Nickel Steel Welds, by M. I. Koperzak.

ZAVODSKAYA, per., Zavod Lab, Vol XXVIII, 1962, No 8, pp 968-969.

HB 5283

Eng.-Min./Mar
Jan 63

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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New Methods in Polarography, by Yu. V. Kargin.

RUSSIAN, per, Zavod Laboratoriya, Vol XXVIII, No 9, 1962, pp 1029-1035.

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Sci-Chem
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Determination of Trace Amounts of Substances...,
by Kh. Z. Kraynina, et al.

RUSSIAN, per, Zavod Laboratoriya, Vol XXVIII, No 9,
1962, pp 1047-1052.

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Sci-Phys
Dec 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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The Analytical Chemistry of E-Caprolactam, by E. A. Peregudchikova, E. N. Zil'berman.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 10, 1962, pp 1172-1177.

NRL Ref: 3820.4 1963 (10 381)
(Loan)

Sci - Chem
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301660015-6

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